



LEGISLATIVE BRIEFING

Iowa Department of Education

Iowa Department of Education Data Warehouse (EdInsight)

➔ What is it?

EdInsight is a data warehouse or a repository of electronically stored data gathered from every public school district in the state of Iowa. Data warehouses are designed to facilitate reporting and analysis of data.

The vision of EdInsight is to provide the Iowa education community consistent and accurate information gathered over time on education outcomes. In addition, it will provide the analytical tools needed to improve decision making to enhance student success.

It will combine education-related data from multiple sources into one common system. This is how it will work.

The Iowa Department of Education (Department) will load data into EdInsight that is currently gathered through three separate collection vehicles. These data include general student information, such as classes a student takes or a student's resident district; special education student information; and student test results from the Iowa Testing Program.

This data can then be accessed by Iowa's principals, superintendents, area education agency specialists, and other education stakeholders through preformatted reports or more sophisticated analytical tools, depending on the user's expertise and security clearance for viewing individual student data.

By linking this previously separated data, EdInsight will allow for cross analysis and new, more meaningful examination.

➔ How did it come about?

The Department began discussions as early as 2001, when No Child Left Behind was passed, about creating a data system that could better manage information given the increasing requirements from federal statutes. In 2004, the Department established a unique student identifier and requirements for districts to send data electronically to enhance data collection.

In the spring of 2006, the Department began collaborating with multiple education groups in Iowa to discuss the possibility of developing a statewide data warehouse solution for educational reporting and decision-making. Among these groups were Iowa's Area Education Agencies chief administrators and data quality cadre. With the consensus of all groups, a decision was made to move forward with seeking a vendor for a statewide data warehouse. *(Continued)*



- Provides the education community a single repository of combined data from multiple sources on one common system.
- Provides tools and training in the use of data for benchmarking and longitudinal and comparative analysis.
- Empowers data driven decision making for education stakeholders.
- Increase confidence in data by defining and implementing processes to improve data consistency, reliability, and quality.

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➔ Where does this initiative currently stand?

The Department has received federal and state funding to support outreach efforts to a wide variety of stakeholders to gather input on the data warehouse. The Department partnered with Iowa's AEAs to conduct a data and reporting needs assessment among local school districts and AEA staff from across the state. The goal was to solicit user input on the portal design and reporting interfaces for EdInsight.

Based on this input, there are ten initial reports that will be available through EdInsight:

- Annual Progress Reports (APR)
- Assessment/Growth
- Adequate Yearly Progress (AYP) Report
- Curriculum
- Enrollment
- Equity School Improvement
- School/District Comparison
- School Report Card for the Public
- Special Education
- Transfer of Student Historical Data/Student Profile

As of the beginning of January 2008, the Department entered into a contract with Claraview, Inc., for the development of the data warehouse. The Department has recently completed a prototype version of the data warehouse. Full development of the first version is currently underway and will be completed in March 2009. The initial implementation will cost the Department \$2.9 million. The Department is exploring other avenues for funding to expand the capabilities of the warehouse.

➔ How has this initiative helped Iowa students?

By providing consistent, reliable, and accurate quality data for Iowa's educators, the Iowa Department of Education is providing them with the information they need to make the best decisions for Iowa's students. Giving educators the training and tools for deep data analysis offers them a more detailed picture of student achievement and the factors that influence student performance. With this data in hand, Iowa educators are empowered to help all students achieve greater success.

➔ Where can I get more information?

Information will soon be available on the Iowa Department of Education's website at www.iowa.gov/education. Additional information also follows this brief.



IOWA DEPARTMENT OF EDUCATION DATA WAREHOUSE: EDINSIGHT

Overview

The transformation of the data infrastructure for the Iowa Department of Education (DE), and to a certain degree the education data infrastructure throughout the state, has begun. As of the beginning of January 2008, the DE entered into a contract with Claraview, Inc., for a data warehouse, a.k.a. EdInsight. EdInsight has a “back end” that will have three sets of data loaded during implementation: Project EASIER, which is student level data; IMS, special education student level data; and Iowa Testing Program student level data. EdInsight will link all these disparate data together for analysis across these domains of information enabling new and meaningful analysis. On the “front end,” different education stakeholders (DE staff, area education agency staff, and local district staff) can access data in preformatted reports and more sophisticated analytical tools, dependent on the user’s expertise and security clearances.

Implementing EdInsight will take over two years. The DE has received federal funding to support outreach to a wide variety of stakeholders to design the preformatted reports and analysis tools. The DE has recently completed a prototype version of the data warehouse. Full blown development of version 1.0 is currently underway and will be completed in March 2009.

Vision

Provide the Iowa education community consistent and accurate longitudinal information on education outcomes and the analytical tools needed to improve decision making and student success.

Goals

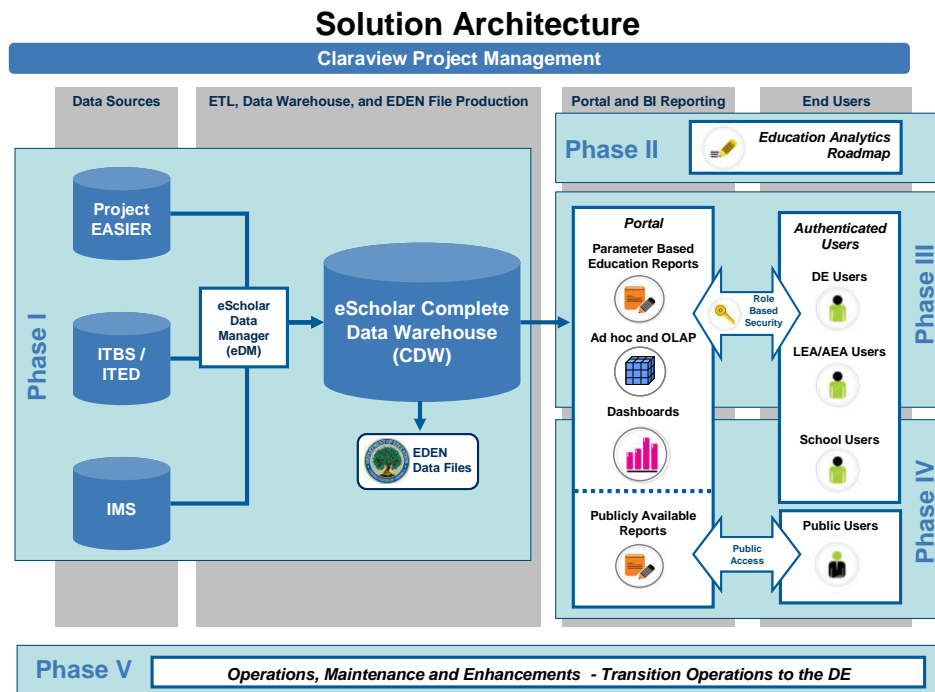
1. Provide the education community a single repository of combined data from multiple sources on one common system.
2. Provide tools and training in the use of data for benchmarking and longitudinal and comparative analysis.
3. Empower data driven decision making for education stakeholders.
4. Increase confidence in data by defining and implementing processes to improve data consistency, reliability and quality.

Proposed Timeline

ID	Task Name	Start	Finish	Duration	2008												2009															
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
1	Project Ramp Up	1/2/2008	2/29/2008	8.6w																												
2	Phase 1: Data Acquisition and Loading	2/1/2008	7/31/2008	26w																												
3	Phase 2: Education Analytics & Prototype	7/11/2008	12/3/2008	20.8w																												
4	Phase 3: Rollout of Education Portal w/ Top Ten Reports – Version 1.0	12/16/2008	3/12/2009	12.6w																												
5	Phase 4: Portal Refinement and Report Expansion – Version 1.5	2/26/2009	8/25/2009	25.8w																												
6	Phase 5: Operations, Maintenance and Enhancements	6/22/2009	4/8/2010	41.8w																												

Questions

For questions about EdInsight, please contact Jay Pennington (515-281-4837 or jay.pennington@iowa.gov) or Jim Anderson (515-281-6300 or jim.anderson@iowa.gov).



Data and Reporting Needs Assessment

The DE partnered with Iowa AEA’s to conduct a data and reporting needs assessment among local school districts and area education agency staff from across the state. The goal of this assessment was to solicit user input on the portal design and reporting interfaces for the statewide rollout of EdInsight. The DE utilized a two-pronged approach in gathering information by: 1) conducting a statewide survey to quantify the magnitude of responses and 2) convening a series of focus groups to capture the depth and breadth of qualitative aspects. The target audience contained district superintendents, principals, assessment coordinators, curriculum directors, teachers and other district personnel, as well as AEA staff. There were 179 participants in the 20 focus groups held statewide, two per AEA, and 445 survey respondents. Triangulating findings from both of these techniques led to the selection of the first ten report areas:

Initial Ten Report Areas for EdInsight Rollout	
Assessment/Growth	Curriculum
Equity School Improvement	Special Education
AYP Report	Transfer of Student Historical Data/Student Profile
APR Report	School/District Comparison
Enrollment	School Report Card for the Public

Committees

To ensure stakeholder input into EdInsight is on-going and addresses the needs of the entire education community, four committees support EdInsight in different ways: Steering directs; Advisory shapes; Data Governance defines, and Project Management engineers.

Budget

The DE has been appropriated cumulatively \$1.2 million in initial funding from the legislature for the EdInsight project through FY 09. The initial implementation will cost the DE \$2.9 million. The Department is exploring other avenues for sustained funding.

Questions

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EdInsight Screen Shot

Version 1.0 Release

ASMT 1.3 Cohort Performance

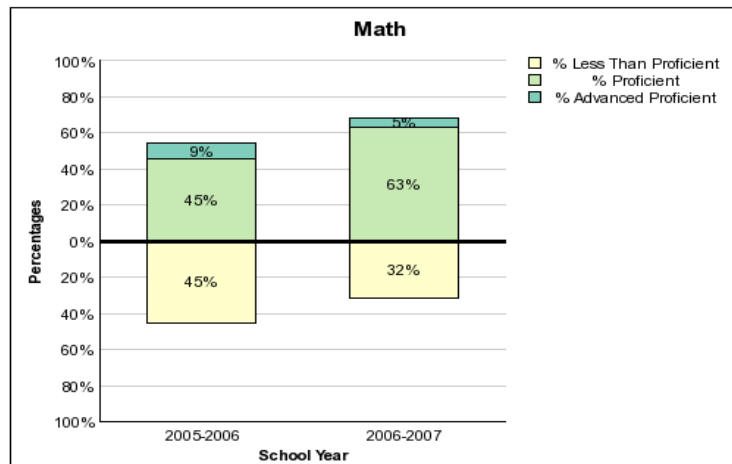


ASMT 1.3.1 Cohort Performance I

The Simple Cohort Report evaluates all students present in the grade for the School Years requested. A Simple Cohort is defined as a group of all students for a given series of School Years, for a given grade, independent of Full Academic year status or testing levels.

School Year	Building	District	AEA	Grade Tested	Testing Period
2005-2006				03	Fall

Graph - Score Type: * Math * Achievement Level Submit



Data Table:

Count by Proficiency Level

Counts	Less Than Proficient	Proficient	Advanced Proficient	Total (All NCLB Achievement Levels)
2005-2006	10	10	2	22